



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Orest W. Blaschuk et al.  
Application No. : 09/185,908  
Filed : November 3, 1998  
For : COMPOUNDS AND METHODS FOR MODULATING CLAUDIN-MEDIATED FUNCTIONS

Examiner : Amy DeCloux, Ph.D.  
Art Unit : 1644  
Docket No. : 100086.409  
Date : May 13, 2002

Commissioner for Patents  
Washington, DC 20231

RESPONSE

Commissioner for Patents:

In response to the Office Action dated February 11, 2002, and due May 11, 2002 (Saturday), please amend the application as follows:

In the Claims:

Please amend claims 2-4 to read as follows:

2. (Four Times Amended) A cell adhesion modulating agent that:
- (a) comprises at least five consecutive amino acid residues of the formula:
- Trp-Lys/Arg-Aaa-Baa-Ser/Ala-Tyr/Phe-Caa-Gly (SEQ ID NO:1)

wherein Aaa, Baa and Caa indicate amino acid residues that are present in a naturally occurring claudin; Lys/Arg is an amino acid that is lysine or arginine; Ser/Ala is an amino acid that is serine or alanine; and Tyr/Phe is an amino acid that is tyrosine or phenylalanine; and

- (b) contains no more than 50 consecutive amino acid residues present within the claudin.

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